

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE



Applicant	:	Hampapur, et al.	)
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App. No.	:	08/870,836	)
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Filed	:	June 6, 1997	)
			)
For	:	KEY FRAME SELECTION	)
			)
Examiner	:	Unknown	)
			)

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ESTABLISHMENT OF RIGHT OF ASSIGNEE TO TAKE ACTION  
AND  
REVOCATION AND POWER OF ATTORNEY

Assistant Commissioner for Patents  
 Washington, D.C. 20231

Dear Sir:

The undersigned is empowered to act on behalf of the assignee below (the "Assignee"). A true copy of the original Assignment of the above-captioned application from the inventor(s) to the Assignee is attached hereto. This Assignment represents the entire chain of title of this invention from the Inventor(s) to the Assignee. I have reviewed this Assignment, and to the best of the Assignee's knowledge and belief, the Assignee is the owner of the entire right, title and interest in the above-referenced application.

I declare that all statements made herein are true, and that all statements made upon information and belief are believed to be true, and further, that these statements were made with the knowledge that willful, false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. § 1001, and that willful, false statements may jeopardize the validity of the application, or any patent issuing thereon.

The undersigned hereby revokes any previous powers of attorney in the subject application, and hereby appoints Louis J. Knobbe, Registration No. 18,780; Don W. Martens,

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Registration No. 21,107; Gordon H. Olson, Registration No. 20,319; James B. Bear, Registration No. 25,221; Darrell L. Olson, Registration No. 28,247; William B. Bunker, Registration No. 29,365; William H. Nieman, Registration No. 30,201; Lowell Anderson, Registration No. 30,990; Arthur S. Rose, Registration No. 28,038; James F. Lesniak, Registration No. 25,240; Ned A. Israelsen, Registration No. 29,655; Drew S. Hamilton, Registration No. 29,801; Jerry T. Sewell, Registration No. 31,567; John B. Sganga, Jr., Registration No. 31,302; Edward A. Schlatter, Registration No. 32,297; Gerard von Hoffmann, Registration No. 33,043; Joseph R. Re, Registration No. 31,291; John M. Carson, Registration No. 34,303; Andrew H. Simpson, Registration No. 31,469; Daniel E. Altman, Registration No. 34,115; Anita M. Kirkpatrick, Registration No. 32,617; Ernest A. Beutler, Registration No. 19,901; Vito A. Canuso, Registration No. 35,471; William H. Shreve, Registration No. 35,678; Stephen C. Jensen, Registration No. 35,556; Steven J. Nataupsky, Registration No. 37,688; Michael H. Trenholm, Registration No. 37,743; Craig S. Summers, Registration No. 31,430; AnneMarie Kaiser, Registration No. 37,649; Brenton R. Babcock, Registration No. 39,592; Nancy Ways Vensko, Registration No. 36,298; Jonathan A. Barney, Registration No. 34,292; Ronald J. Schoenbaum, Registration No. 38,297; Richard C. Gilmore, Registration No. 37,335; John R. King, Registration No. 34,362; William S. Reimus, Registration No. 38,279; Christine A. Gritzmacher, Registration No. 40,627; John P. Giezentanner, Registration No. 39,993; Adeel S. Akhtar, Registration No. 41,394; Frederick S. Berretta, Registration No. 38,004; Thomas R. Arno; Registration No. 40,490; David N. Weiss, Registration No. 41,371; James T. Hagler, Registration No. 40,631; Dan Hart, Registration No. 40,637; Moses Mares, Registration No. 40,716; Stephen M. Lobbin, Registration No. 41,159; Richard Kim, Registration No. 40,046; Glenn R. Smith, Registration No. 38,308; Robert F. Gazdzinski, Registration No. 39,990; R. Scott Weide, Registration No. 37,755; Katherine W. White, Registration No. 37,470; Richard E. Campbell, Registration No. 34,790; Raimond J. Salenieks, Registration No. 37,924; Renée E. Canuso, Registration No. 36,657; Michael L. Fuller, Registration No. 36,516; Neil S. Bartfeld, Registration No. 39,901; and Daniel E. Johnson, Registration No. 37,033; Knobbe, Martens, Olson & Bear, LLP, 620 Newport Center Drive, Sixteenth Floor, Newport Beach,

App. No. : 08/870,836  
Filed : June 6, 1997

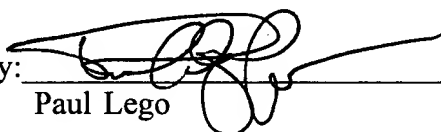
California 92660, Telephone (714) 760-0404, as its attorneys with full power of substitution and revocation to prosecute this application and to transact all business in the U.S. Patent and Trademark Office connected herewith. This appointment is to be to the exclusion of the inventor(s) and his attorney(s) in accordance with the provisions of 37 C.F.R. § 3.71.

Please direct all communications relative to said application to the following correspondence address:

John M. Carson  
KNOBBE, MARTENS, OLSON & BEAR, LLP  
620 Newport Center Drive  
Sixteenth Floor  
Newport Beach, CA 92660  
Telephone: (619) 235-8550

VIRAGE, INC.

Dated: 7/18/97

By:   
Paul Lego

Title: Chief Executive Officer

Address: 177 Bovet Road, Suite 520  
San Mateo, CA 94402

JMC-7639:sad  
081997

COPY

Application No.: 08/870,836  
Filing Date: June 6, 1997

PATENT  
Client Code: VIRAGE.007A  
Page 1

ASSIGNMENT

WHEREAS, We, Arun Hampapur, an Indian citizen, residing at 10 North Broadway, Apartment 5K, White Plains, New York 10601; Mojgan Monika Gorkani, a United States citizen, residing at 60 Parkridge Drive, #1, San Francisco, California 94131; Chiao-Fe Shu a Taiwanese citizen, residing at 302 - 37th Avenue, San Mateo, California 94403; and Amarnath Gupta an Indian citizen, residing at 1254 Woodside Road, Redwood City, California 94061, have invented certain new and useful improvements in a KEY FRAME SELECTION an application for Letters Patent in the United States, June 5, 1997;

AND WHEREAS, Virage, Incorporated (hereinafter "ASSIGNEE"), a Delaware Corporation, with its principal place of business at 177 Bovet Road, Suite 520, San Mateo CA, 94402, desires to acquire the entire right, title, and interest in and to the said improvements and the said Application:

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) each to us in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, we, the said inventors, do hereby acknowledge that we have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, the entire right, title, and interest throughout the world in, to and under the said improvements, and the said application and all divisions, renewals and continuations thereof, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof, and all rights of priority under International Conventions and applications for Letters Patent which may hereafter be filed for said improvements in any country or countries foreign to the United States, and all Letters Patent which may be granted for said improvements in any country or countries foreign to the United States and all extensions, renewals and reissues thereof; and we hereby authorize and request the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said improvements to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant and agree that we will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known to us respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said improvements in all countries.

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 9 day of September 1997.

Arun Hampapur  
Arun Hampapur

STATE OF New York  
COUNTY OF Westchester

]] ss.  
]]

On 9 Sept, 1997, before me, William J. Stroud personally appeared Arun Hampapur personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument, and acknowledged to me that he executed the same in his authorized capacity(ies), and that by his signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]

WILLIAM J. STROUD  
Notary Public, State of New York  
No. 60-4652630  
Qualified in Westchester County  
Comm. Filed in Rockland County  
Term Expires March 30, 1998

[Signature]  
Signature

# COPY

PATENT

Application No.: 08/870,836

Client Code: VIRAGE.007A

Filing Date: June 6, 1997

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IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 18 day of September, 1997.

  
Mojgan Monika Gorkani

STATE OF CALIFORNIA  
COUNTY OF SAN MATEO


]] ss.

On SEPT. 18, 1997, before me, CAROL ROLAND personally appeared Mojgan Monika Gorkani personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument, and acknowledged to me that he executed the same in his authorized capacity(ies), and that by his signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.


WITNESS my hand and official seal.

[SEAL]



  
Signature

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 18th day of September 1997.

  
Chiao-Fe Shu

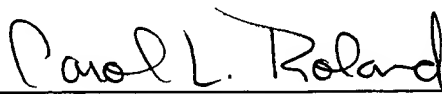
STATE OF CALIFORNIA  
COUNTY OF SAN MATEO } ss.

On SEPT 18, 1997, before me, CAROL ROLAND personally appeared Chiao-Fe Shu personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument, and acknowledged to me that executed the same in authorized capacity(ies), and that by signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]



  
Signature

COPY

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 15<sup>th</sup> day of September, 1997.

Gupta  
Amarnath Gupta

STATE OF CALIFORNIA  
COUNTY OF SAN MATEO } ss.

On SEPT. 15, 1997, before me, CAROL ROLAND personally appeared Amarnath Gupta personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument, and acknowledged to me that executed the same in authorized capacity(ies), and that by signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]



Carol L. Roland  
Signature